

SOIL CLASS: 140B CHATFIELD, HOLLIS, CANTON  
(SOURCE: USDA-SCS SOIL SURVEY)

- BENCH MARKS:** ASSUMED DATUM
- #1 SET NAIL ROOT PINE CLUMP ELEV 55.93
  - #2 SET NAIL ROOT ELEV 50.80
  - #3 SET NAIL ROOT 24" PINE ELEV 49.02

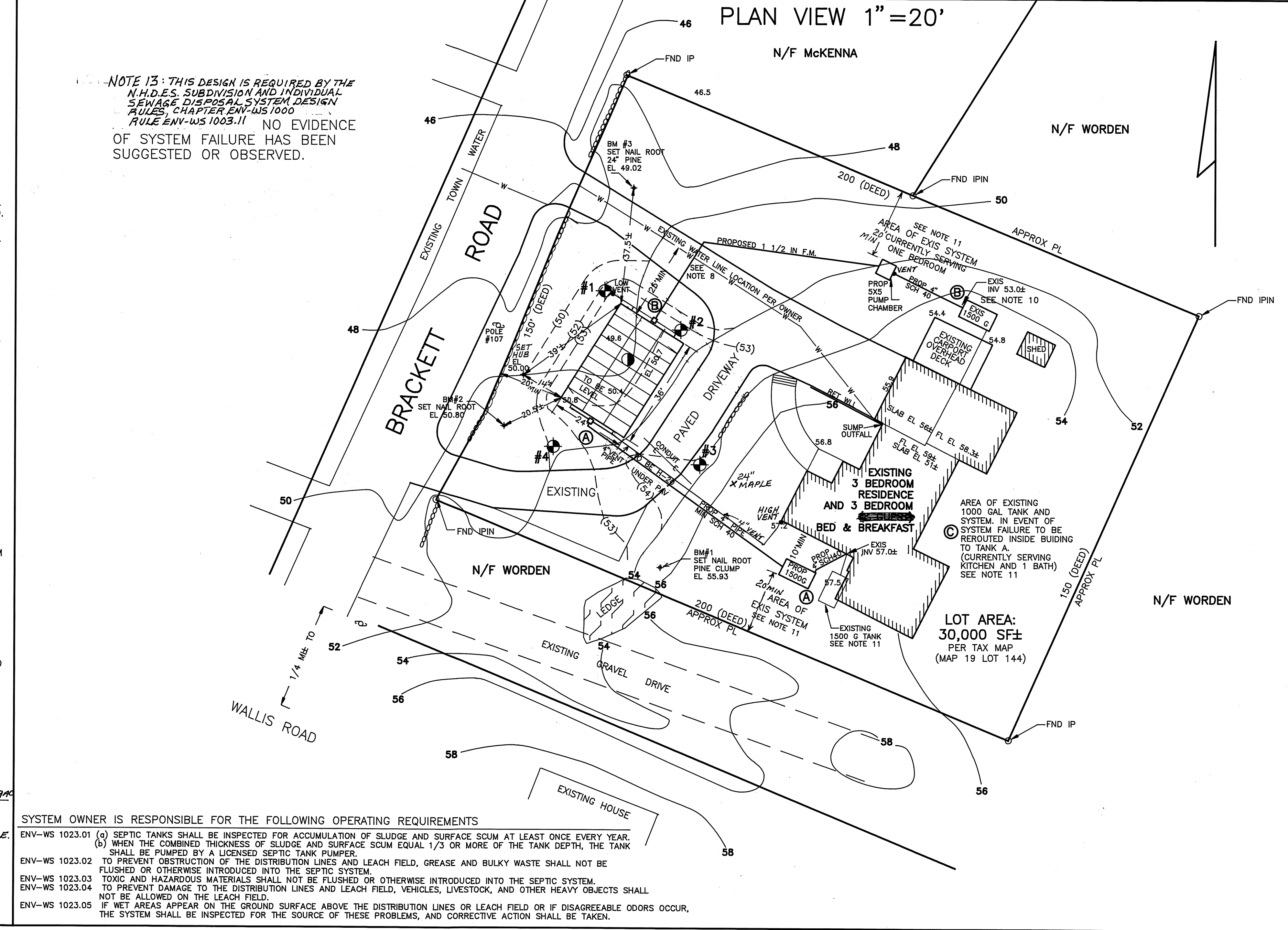
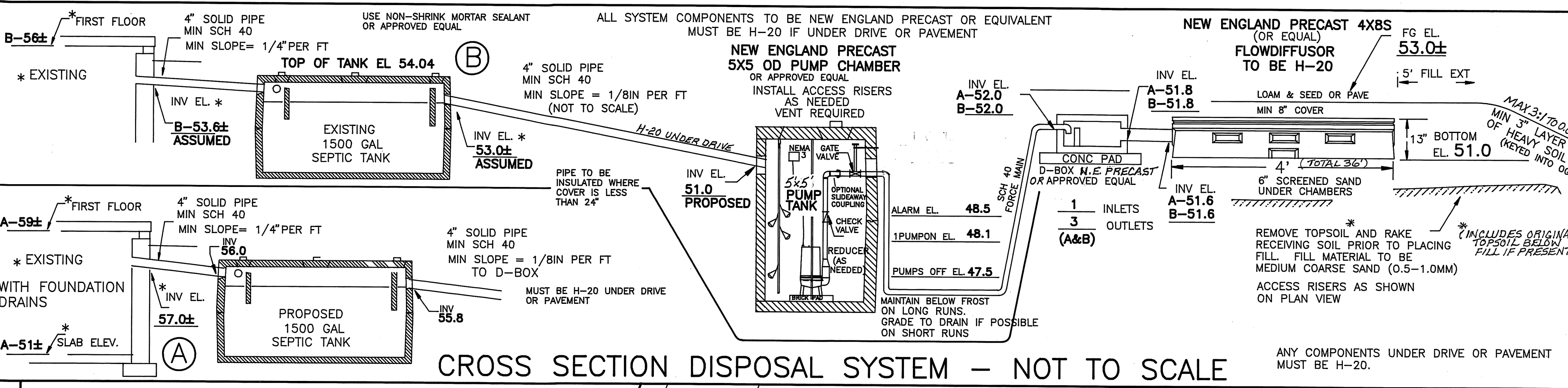
**DESIGN INTENT:** BED BOTTOM TO BE PLACED NO LOWER THAN 12" BELOW EXISTING GRADE, UPSLOPE SIDE (EXIS GRADE = EL 52.0). 60% OF BED AREA DOWNSLOPE FROM EL 50.7

**SUITABLE REPLACEMENT AREA:** SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

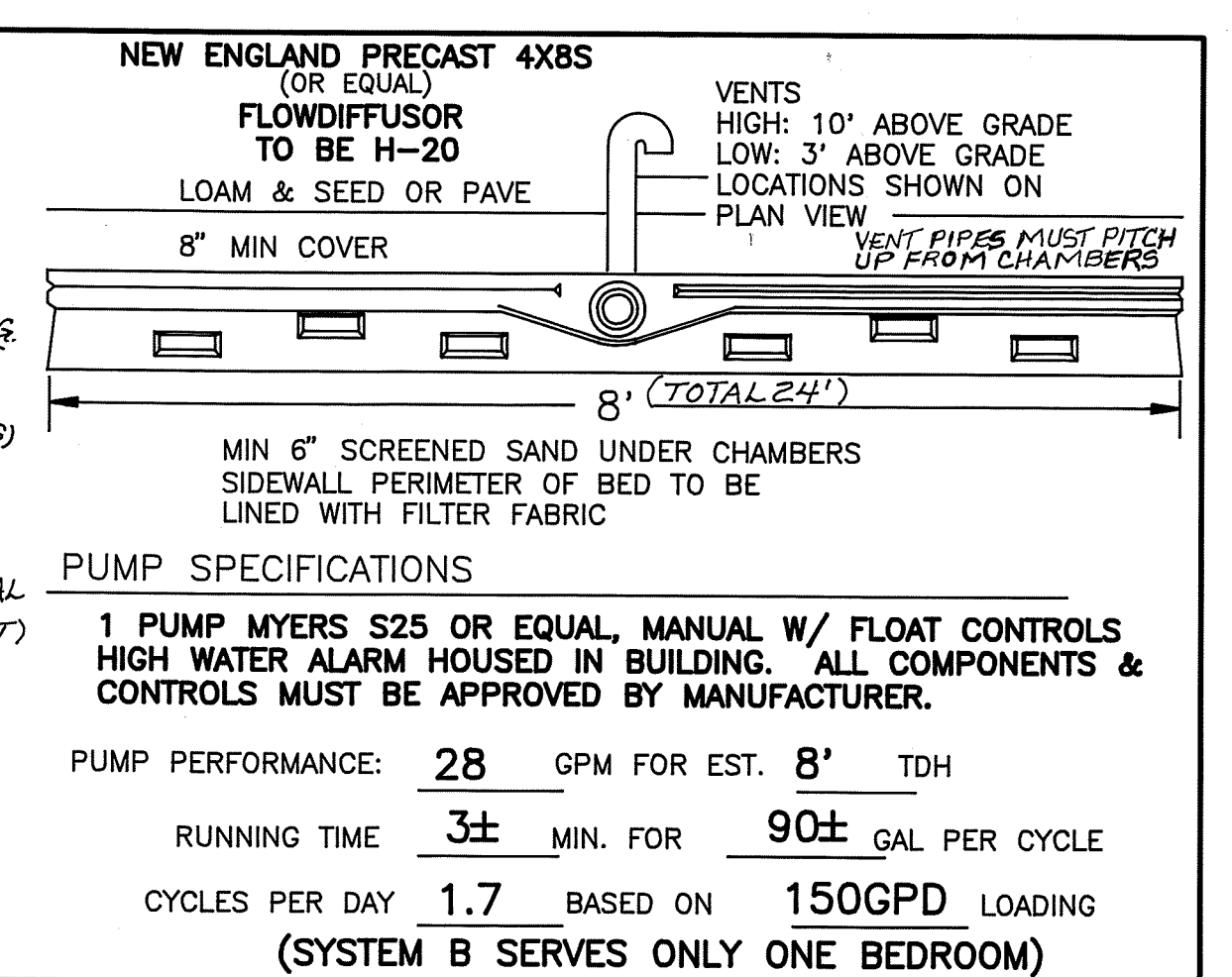
- LEGEND:**
- EXISTING CONTOUR
  - PROPOSED CONTOUR
  - EXISTING SPOT ELEVATION
  - PROPOSED SPOT ELEVATION

- NOTES:**
- THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:  
RCRD 2744-2918 RCRD PLAN #21787
  - NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD (CREATED 1951)
  - THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
  - NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.
  - INSTALLER MUST NOTIFY DESIGNER IMMEDIATELY OF ANY DISCREPANCIES FOUND OR CHANGES CONSIDERED TO THIS PLAN.
  - IN EVENT OF CESSATION OF COMMERCIAL USE (BED & BREAKFAST), CHAMBER FIELD SHOWN WOULD MEET AREA REQUIREMENTS FOR 6 BEDROOM HOME WITH ALLOWED 40% REDUCTION.
  - INFORMATION ON LOCATION OF EXISTING SYSTEMS IS PER OWNER.
  - FORCE MAIN TO BE SLEEVED WITHIN 10' OF CROSSING WATER LINE.
  - SEWER PIPE UNDER DRIVEWAY TO BE CAST IRON OR EQUIVALENT TO MEET H-20 SPECIFICATIONS. SEWER LINE TO BE INSULATED WHERE COVER IS LESS THAN 24".
  - INSTALLER TO VERIFY CAPACITY AND PROPER FUNCTION OF EXISTING COMPONENTS INCORPORATED INTO REPLACEMENT DESIGN AND CORRECT BOTH AS NEEDED.
  - INSTALLER TO DETERMINE LOCATION OF ANY COMPONENTS (SEPTIC TANKS, DRY WELLS, ETC) OF SYSTEMS TO BE ABANDONED AND REMOVE OR CRUSH/FILL AS NEEDED.
  - EXTERIOR LIGHTING AND UNDERGROUND ELEC. TO BE REMOVED IN AREA OF SYSTEM.

RESIDENCE AND BED & BREAKFAST TOTAL 6 BEDROOMS. MAXIMUM UNIT DESIGN FLOW FIGURE LOADING = 900 GPD. 30,000 SF, GROUP 4, AB SLOPE = 2.00% X 0.68% = 1.45% = 950 GPD ALLOWED. SYSTEM IS SIZED BY ACTUAL METERED USE.



- SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS
- ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
  - ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
  - ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
  - ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
  - ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.



- TEST PIT DATA**
- DATE: MAY 4, 1999  
TOWN INSPECTOR: S. ZARLENGO
- TEST PIT #1 ELEV 49.6**
- 0-6\"/>
  - 6-26\"/>
  - 26-32\"/>
  - 32-60\"/>
  - ESHWIT @ 32\", LEDGE @ 60\", NO OBS WATER
- TEST PIT #2 ELEV 51.0**
- 0-8\"/>
  - 8-12\"/>
  - 12-48\"/>
  - ESHWIT @ 48\", LEDGE @ 60\", NO OBS WATER
- TEST PIT #3 ELEV 53.7**
- 0-10\"/>
  - 10-20\"/>
  - 20-24\"/>
  - 24-48\"/>
  - 48-66\"/>
  - ESHWIT @ 48\", LEDGE @ 66\", NO OBS WATER
- TEST PIT #4 ELEV 51.9**
- 0-14\"/>
  - 14-30\"/>
  - 30-44\"/>
  - 44-60\"/>
  - ESHWIT @ 44\", LEDGE @ 60\", NO OBS WATER
- PERC TEST DATA**
- DATE: 5/4/99 PERC RATE: 4 MIN/IN
- DESIGN LOADING: ONE YEAR WATER USAGE (PER RYE WATER DISTRICT RECORDS) - 88,000 GALLONS. 88,000/365 = 241 AVERAGE GPD USE 241 X PEAK FACTOR 2.5 = 602 SAY 600 GPD
- AREA REQUIRED: 600GPD @ 140 SF PER 100 GPD = 840 SF
- AREA PROPOSED: USE 27 4X8 CHAMBERS AS SHOWN FOR 24 X 36 = 864 SQUARE FEET PROVIDED

**PROPOSED REPLACEMENT \* SEPTIC SYSTEM PLAN**

\* THIS DESIGN TO BE IMPLEMENTED ONLY IN EVENT OF FAILURE OF EXISTING SYSTEMS.

ARBOR INN

LOCUS: 400 BRACKETT ROAD  
RYE, NEW HAMPSHIRE

OWNER: JOANNE FAGGIANO  
400 BRACKETT ROAD  
RYE, NEW HAMPSHIRE

APPLICANT: STOCKTON SERVICES  
PO BOX 1306  
HAMPTON, NH 03842

DATE: 6/10/99  
APPROVAL: CA1999021765

DESIGNER: NEW HAMPSHIRE Designer of Subsurface Disposal Systems \*\*\* Ann W. Blalock-Asaki No. 348

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